



# **STIC Search Report**

## **EIC 3700**

**STIC Database Tracking Number: 135264**

**TO: Andres Kashnikow**  
**Location: cp2 2a01**  
**Art Unit: 3700**  
**Monday, October 18, 2004**

**Case Serial Number: 10/779570**

**From: Terry Solomon**  
**Location: EIC 3700**  
**CP2-2C08**  
**Phone: 305-5932**

**Terrance.solomon@uspto.gov**

### **Search Notes**

No litigation found on US Pat. 6348070.

Sources: Lexis/Nexis and Questel-Orbit

Access DB# 135264

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Andy KASHNIKOW Examiner #: 60484 Date: 10/18/04  
Art Unit: 3200 Phone Number 30 8-1137 Serial Number: 10779570  
Mail Box and Bldg/Room Location: CP2-2A01 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched.

Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

LIT. SEARCH FOR U.S. PATENT NO.

6,348,070

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## STAFF USE ONLY

## Type of Search

## Vendors and cost where applicable

Searcher: <u>Solomon</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: <u>305-5932</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>CP2 2c08</u>	Structure (#) _____	Questel/Orbit <u>\$ 10.27</u>
Date Searcher Picked Up: <u>10-18-04</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>10-18-04</u>	Litigation <input checked="" type="checkbox"/>	<u>Lexis/Nexis</u>
Searcher Prep & Review Time: <u>3</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>5</u>	Other _____	Other (specify) _____

295459 (09) 6348070 February 19, 2002

Time of Request: October 18, 2004 10:07 AM EDT

Research Information:

Utility, Design and Plant Patents  
patno=6348070

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6348070

February 19, 2002

Magnetic-interference-free surgical prostheses

**REISSUE:** February 13, 2004 - Reissue Application filed Ex. Gp.: 3738; Re. S.N. 10/779,570 (O.G. June 8, 2004)

**APPL-NO:** 295459 (09)

**FILED-DATE:** April 16, 1999

**GRANTED-DATE:** February 19, 2002

**ASSIGNEE-AT-ISSUE:** Med-El Elektromedizinische Gerate Ges.m.b.H, Austria (AT), 03

**ASSIGNEE-AFTER-ISSUE:** July 16, 1999 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., MED-EL ELEKTROMEDIZINISCHE GERATE GES.M.B.H. FURSTENWEG 77A A-6020 INNSBRUCK AUSTRIA, Reel and Frame Number: 010104/0832

**LEGAL-REP:** Bromberg & Sunstein LLP - ##0

Selected file: PLUSPAT  
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database

**\*\* SS 1: Results 1**  
**PRT SS 1 MAX 1 LEGALALL**

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

**Patent Number :**

US6348070 B1 20020219 [US6348070]

**Title :**

(B1) Magnetic-interference-free surgical prostheses

**Patent Assignee :**

(B1) MED EL ELEKTROMEDIZINISCHE GER (US)

**Patent Assignee :**

Med-El Elektromedizinische Gerate Ges.m.b.H, [AT]

**Inventor(s) :**

(B1) HOCHMAIR ERWIN (AT); TEISSEL CHRISTIAN (AT)

**Application Nbr :**

US29545999 19990416 [1999US-0295459]

**Filing Details :**

Rel. Prov. 60/082,133 19980417 [1998US-P082133]

**Priority Details :**

US29545999 19990416 [1999US-0295459]

US8213398P 19980417 [1998US-P082133]

**Intl Patent Class :**

(B1) A61F-002/02 A61F-002/18

**EPO ECLA Class :**

A61N-001/36F

**EPO ICO Class :**

K61N-001/37E

**US Patent Class :**

ORIGINAL (O) : 623011110; CROSS-REFERENCE (X) : 600012000 607060000  
623010000 623024000

**Document Type :**

Basic

**Citations :**

US4038990; USRE32947; US4918745; US5456654; US5554096; US5630835;

US5716407; US5749912; US6208235

Brackmann et al., "Evaluation of MRI Compatibility of the Modified Nucleus Multichannel Auditory Brainstem and Cochlear Implants," The American J. of Otology 17(5):724-9, Sep. 1996.

Teissl et al., "Cochlear Implants: In Vitro Investigation of Electromagnetic Interference at MR Imaging--Compatibility and Safety Aspects," Radiology 208(3):700-8, Sep. 1998.

Teissl et al., "Magnetic Resonance Imaging and Cochlear Implants: Compatibility and Safety Aspects," J. Magn. Reson. Imaging 9(1):26-38, Jan., 1999.

**Publication Stage :**

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

**Abstract :**

Interference-free coil systems are coil systems having at least two coils which are identical in terms of inductance. These coils are arranged such that their magnetic fields are antiparallel to one another. Consequently, induced voltages within the coils are substantially eliminated when the coils are exposed to a homogeneous electromagnetic field. If exposed to a nonhomogeneous electromagnetic field, however, a net voltage is induced and enables the extraction of data and power. Reed switch configurations in the implantable prostheses protect against induced voltages caused by the radio frequency field generated by an MR imager when the reed switches are mounted parallel to

the plane of a receiver. Reed switch configuration may be used to disconnect, de-tune, or short circuit a receiver. For example, they may be used to disconnect the receiver diodes. Some magnet configurations reduce torque caused by an external magnetic field and prevent demagnetization when disposed within, outside, or partially within an implantable prosthesis. Magnets which align with the external magnetic field also reduce the torque caused by the field and prevent demagnetization.

**Update Code :**  
2002-09

1 / 1 LGST - ©EPO

**Patent Number :**

US6348070 B1 20020219 [US6348070]

**Application Number :**

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**Action Taken :**

20040608 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040213

**Update Code :**

2004-25

1 / 1 CRXX - ©CLAIMS/RRX

**Patent Number :**

6,348,070 A 20020219 [US6348070]

**Patent Assignee :**

Med El Elektromedizinische Gerate Ges mbH AT

**Actions :**

20040213 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040608

REISSUE REQUEST NUMBER: 10/779570

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3738

Reissue Patent Number:

Session finished: 18 OCT 2004 Time 16:17:04

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